


TC-W365

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
E Model
Australian Model*



"DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

Model Name Using Similar Mechanism		TC-W345
Tape Transport Mechanism Type	DECK-A	TCM-180VA-H6
	DECK-B	TCM-180VB-H6

System

Recording system
4-track 2-channel stereo

Fast-winding time (approx.)
120 sec. (with Sony C-60 cassette)

Bias AC bias

Signal-to-noise ratio (at peak level and weighted with Dolby NR off)

Type I tape, Sony Type I (NORMAL): 55 dB
Type II tape, Sony Type II (HIGH): 57 dB
Type IV tape, Sony Type IV (METAL): 58 dB

S/N ratio improvement (approximate values)

With Dolby B NR on: 5 dB at 1 kHz, 10 dB at 5 kHz
With Dolby C NR on: 15 dB at 500 Hz, 20 dB at 1 kHz

Harmonic distortion

0.4% (with Type I tape, Sony Type I (NORMAL):
160 nWb/m 315 Hz, 3rd H.D.)
1.8% (with Type IV tape, Sony Type IV (METAL):
250 nWb/m 315 Hz, 3rd H.D.)

Frequency response (Dolby NR off)

Type I tape, Sony Type I (NORMAL): 30 - 13,000 Hz (±3 dB, IEC)
Type II tape, Sony Type II (HIGH): 30 - 14,000 Hz (±3 dB, IEC)

SPECIFICATIONS

Type IV tape, Sony Type IV (METAL): 30 - 15,000 Hz (±3 dB, IEC), 30 - 13,000 Hz (±3 dB, -4 dB recording)

Wow and flutter

±0.16 % W. Peak (IEC)
0.11 % W. RMS (NAB)
±0.2 % W. Peak (DIN)

Inputs

Line inputs (phono jacks)
Sensitivity : 0.16 V
Input impedance : 47 kilohms

Outputs

Line outputs (phono jacks)
Rated output level : 0.5 V at a load impedance of 47 kilohms
Load impedance : Over 10 kilohms

Headphones (stereo phone jack)

Output level : 1 mW at a load impedance of 32 ohms

General

Power requirements

Where purchased	Power requirements
U.S.A. and Canada	120 V AC, 60 Hz
Continental Europe	220 - 230 V AC, 50/60 Hz
Australia	240 V AC, 50/60 Hz
Other countries	120/220/240 V AC, 50/60 Hz

Power consumption

18 W

Dimensions (approx.) (w/h/d)

430 × 125 × 285 mm (w/h/d)
(17 × 5 × 11 1/4 inches)
including projecting parts and controls

Mass (approx.)

3.7 kg (8 lbs 3 oz)

Supplied accessories

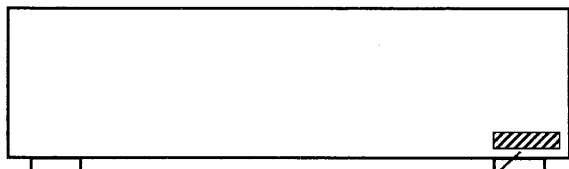
Audio connecting cords, (2 phono plugs - 2 phono plugs) (2)

Design and specifications are subject to change without notice.

STEREO CASSETTE DECK
SONY®

MODEL IDENTIFICATION

— BACK PANEL —



3-919-820-0□ : US model
 3-919-820-1□ : AEP model
 3-919-820-2□ : E model
 3-919-820-3□ : Australian model
 3-919-820-4□ : Canadian model

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SAFETY CHECK-OUT

(US model only)

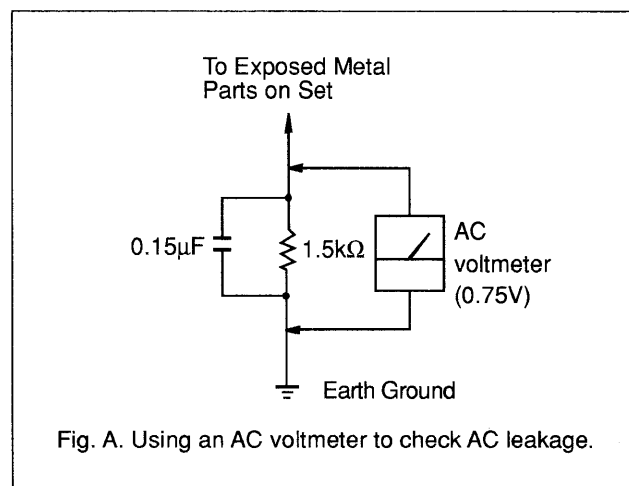
After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)



SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

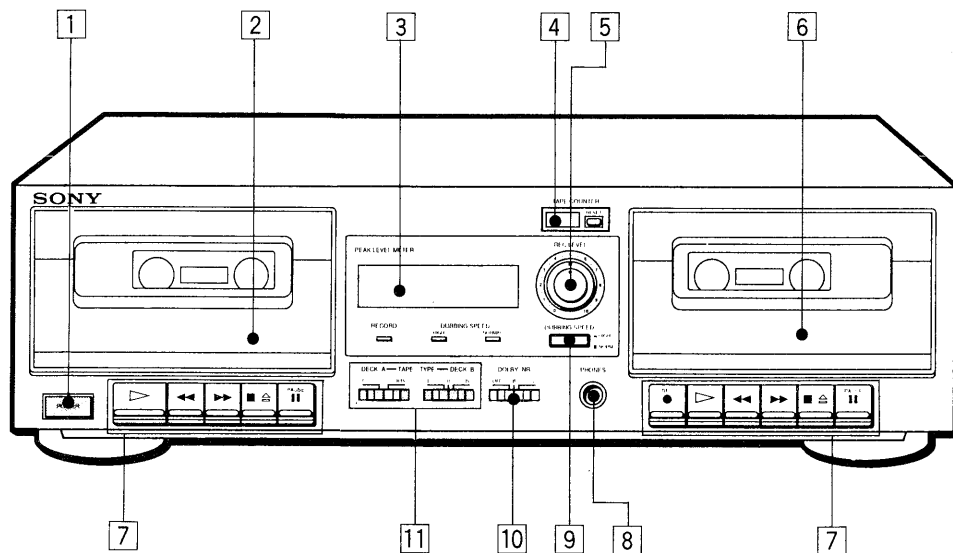
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE Δ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1

GENERAL

Identification of Front Panel Parts



- 1 POWER switch**
- 2 Cassette holder (deck A)**
- 3 PEAK LEVEL METER**
- 4 TAPE COUNTER and RESET button**
- 5 REC (recording) LEVEL control**
- 6 Cassette holder (deck B)**
- 7 Tape operation buttons**
 - REC (record) button (deck B only)
 - ▷ (play) button
 - ◀◀ (rewinding) button
 - ▶▶ (fast-forward) button
 - ▲ (stop) and (eject) button
 - || PAUSE button
- 8 HEADPHONES jack (stereo phone jack)**
- 9 DUBBING SPEED button**
HIGH/NORMAL speed button
- 10 DOLBY NR (Dolby noise reduction) buttons**
- 11 TAPE TYPE SELECT switches**

SECTION 2 MECHANICAL ADJUSTMENTS

PRECAUTION

- Clean the following parts with a denatured-alcohol-moistened swab :

record/playback head	pinch roller
erase head	rubber belt
capstan	idler

Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	30 — 70 g • cm (0.42 — 0.97 oz • inch)
FWD Back tension	CQ-102C	1.5 — 5.5 g • cm (DECK A) (0.020 — 0.076 oz • inch) 1.5 — 7 g • cm (DECK B) (0.020 — 0.096 oz • inch)
FF, REW	CQ-201B	60 g • cm or more (0.87 oz • inch or more)

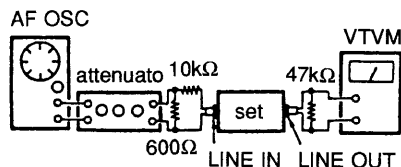
SECTION 3 ELECTRICAL ADJUSTMENTS

- Demagnetize the record/playback with a head demagnetizer.
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.
- The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
- The adjustments should be performed for both L-CH and R-CH.

- Switches and control should be set as follows unless otherwise specified.

DOLBY NR switch	: OFF
TAPE TYPE switch	: TYPE 1 (NORMAL)
Rec Level	: min

Mode : record



Standard Input Level

	LINE IN
source impedance	10kΩ
input level	0.5V (−3.8dB)

Standard Output Level

	LINE OUT
load impedance	47kΩ
output level	0.5V (−3.8dB)

Test Tape

Tape	Contents	Use
P-4-A100	10kHz, −10dB	Azimuth Adjustment
P-4-L300	315Hz, 0dB	PB Level Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment

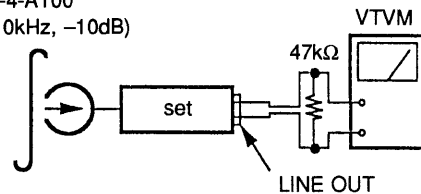
0dB=0.775V

RECORD/PLAYBACK HEAD AZIMUTH ADJUSTMENT

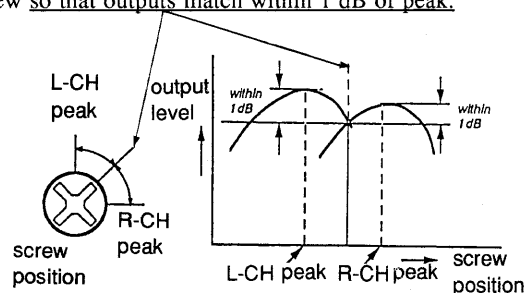
DECK A DECK B

Procedure :

- Mode : FWD playback
test tape
P-4-A100
(10kHz, −10dB)

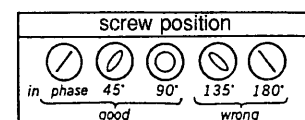
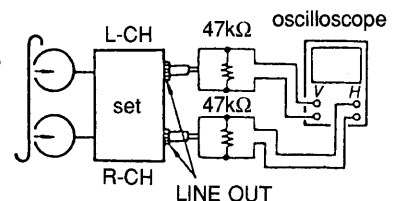


- Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.



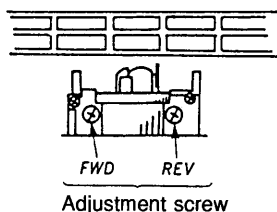
- Mode : play back

test tape
P-4-A100
(10kHz, −10dB)



4. After the adjustments, apply suitable locking compound to the parts adjusted.

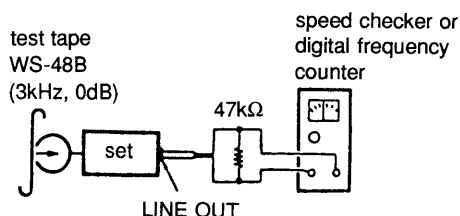
Adjustment Location :



TAPE SPEED ADJUSTMENT DECK A DECK B

Procedure :

Mode : FWD playback



1. Connect pin to with the lead wire. (CNP505)

Measurement Limit : high speed

Speed checker	Digital frequency counter
$0 \pm 0.3\%$	$6,000 \pm 20\text{Hz}$

Adjustment location :

DECK-A side RV501

DECK-B side RV503

2. Remove the wire in step 1. (CNP505)

Measurement Limit : normal speed

Speed checker	Digital frequency counter
$0 \pm 0.3\%$	$3,000 \pm 10\text{Hz}$

Adjustment Location :

DECK-A side RV502

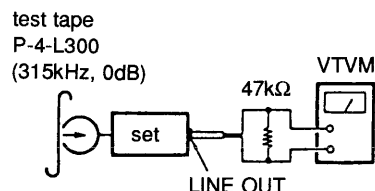
DECK-B side RV504

3. If the specifications are not satisfied, repeat step 1 and 2.

PLAYBACK LEVEL ADJUSTMENT DECK A DECK B

Procedure :

Mode : FWD playback



Adjust,

Deck A is RV101 (L-CH) and RV201 (R-CH),

Deck B is RV102 (L-CH) and RV202 (R-CH)

so that the adjustment within measurement limit as follows.

Measurement Limit :

LINE OUT level : $-7.7\text{dB} \pm 0.5\text{dB}$ (0.30 to 0.34V)

level difference between the channels : within 0.5dB.

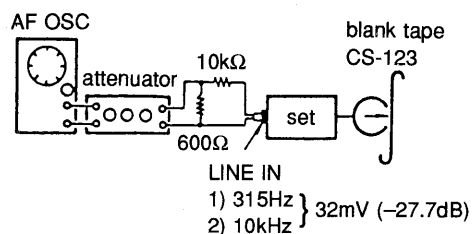
RECORD BIAS ADJUSTMENT DECK B

Setting :

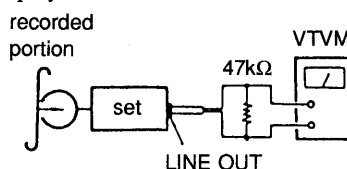
TAPE SELECT : TYPE-I (DECK-B)

Procedure :

1. Mode : record



2. Mode : playback



Play the tape recorded in step 1. If the specification is not satisfied, adjust RV151 (L-CH), RV251 (R-CH) and repeat steps 1 and 2.

Measurement Limit:

The LINE OUT level of 10kHz signal relative to that of 315Hz : -0.5dB to 0.5dB .

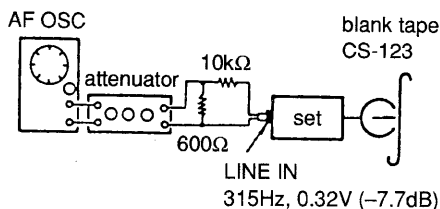
RECORD GAIN ADJUSTMENT **DECK B**

Setting :

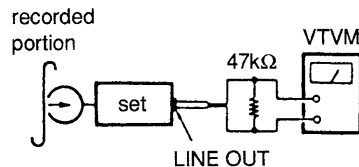
TAPE SELECT : TYPE-I (DECK-B)

Procedure :

1. Mode : record



2. Mode : playback



play the recorded in step 1. If the specification is not satisfied, adjust RV103 (L-CH), RV203 (R-CH) and repeat steps 1 and 2.

Measurement Limit:

LINE OUT level : -7.7dB to 0.5dB (0.30 to 0.34V)

Adjustment Location : Main Board (1/5)

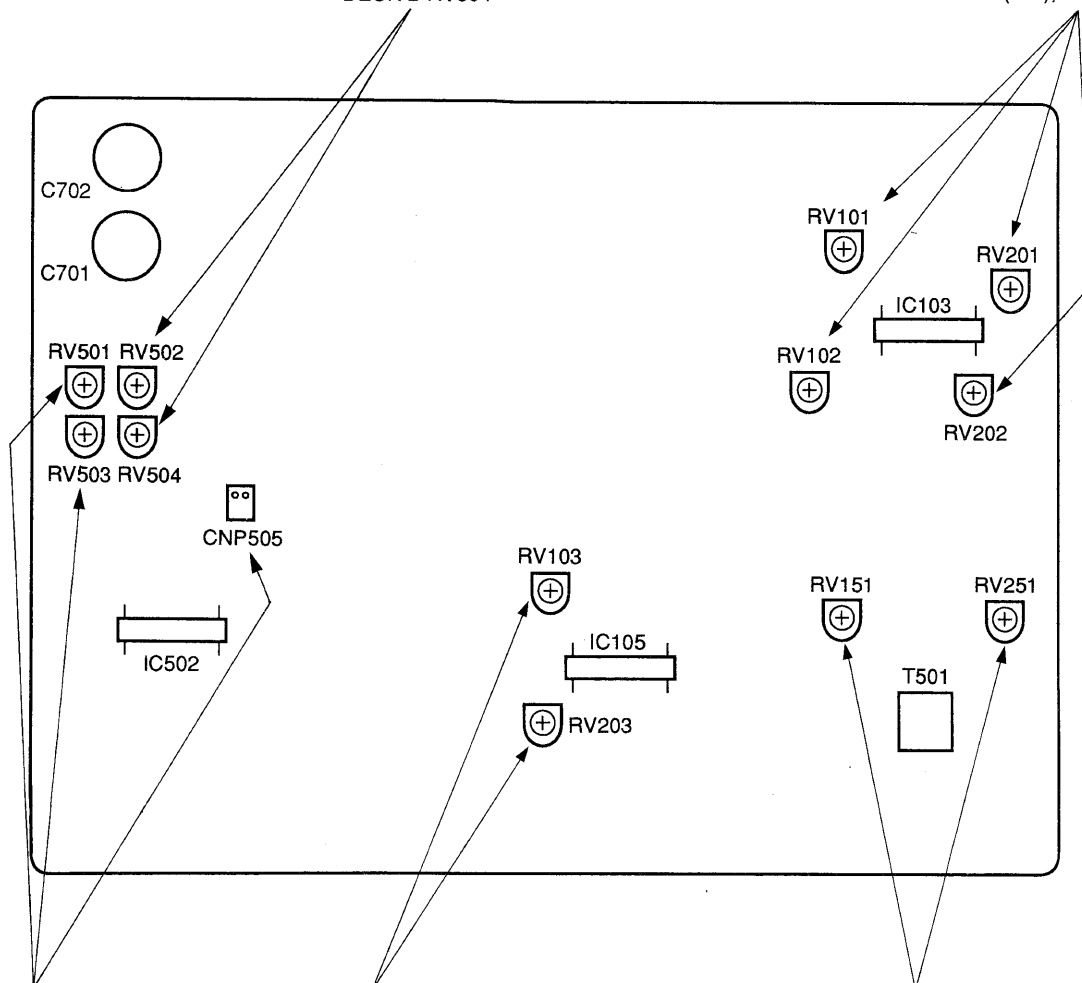
— Component Side —

TAPE SPEED ADJUSTMENT (NORMAL SPEED)

DECK A RV502
DECK B RV504

PLAYBACK LEVEL ADJUSTMENT

DECK A RV101 (Lch), RV201 (Rch)
DECK B RV102 (Lch), RV202 (Rch)



TAPE SPEED ADJUSTMENT (HIGH SPEED)

CNP505
DECK A RV501
DECK B RV503

RECORD GAIN ADJUSTMENT

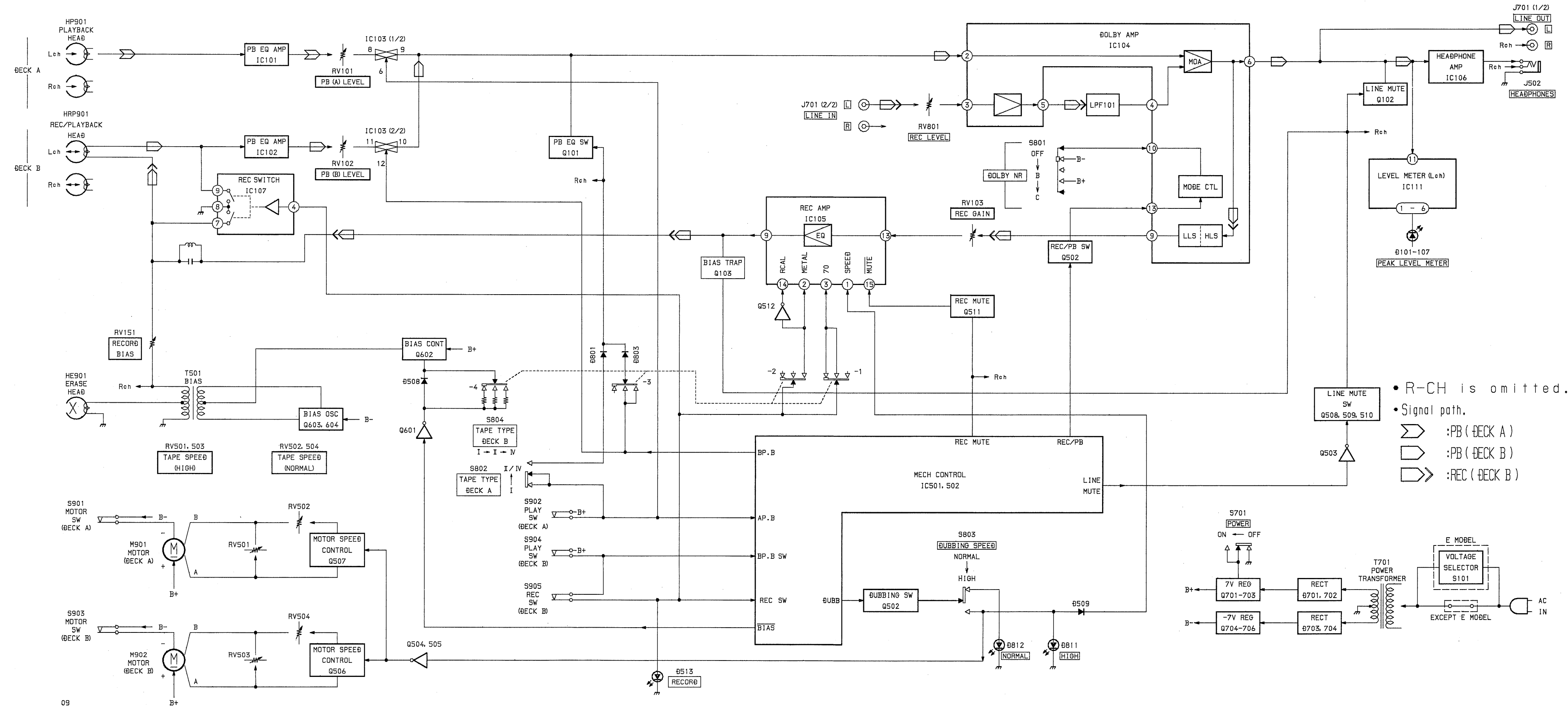
RV103(Lch), RV203 (Rch)

RECORD BIAS ADJUSTMENT

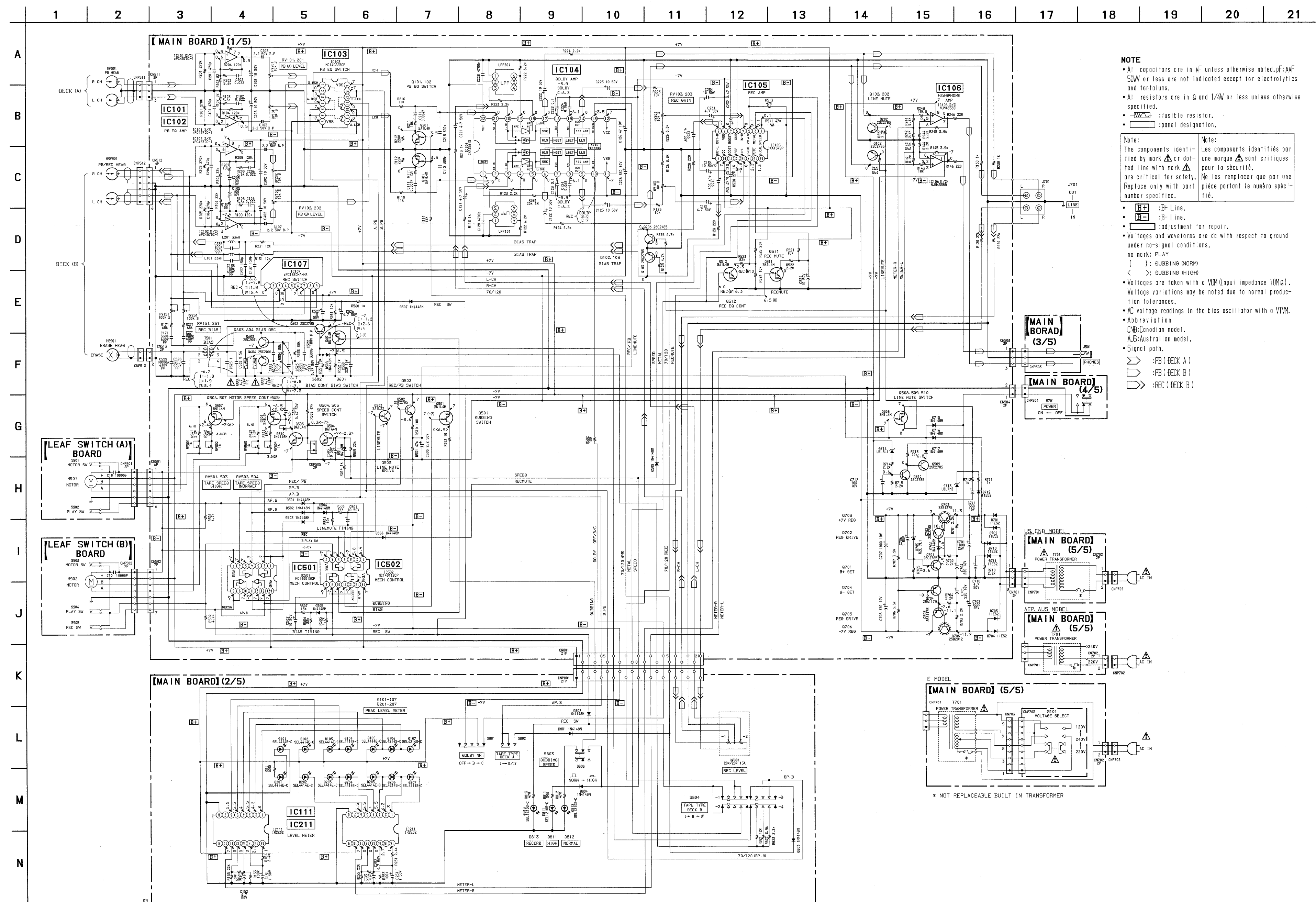
RV151 (Lch), RV251 (Rch)

SECTION 4
DIAGRAMS



4-1. BLOCK DIAGRAM





4-2. SCHEMATIC DIAGRAM
• See page 16 for IC Block Diagrams.




NOTE







- All capacitors are in μF unless otherwise noted, pF: μF
- 50W or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
-  : fusible resistor.
-  : panel designation.

Note:

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Note:

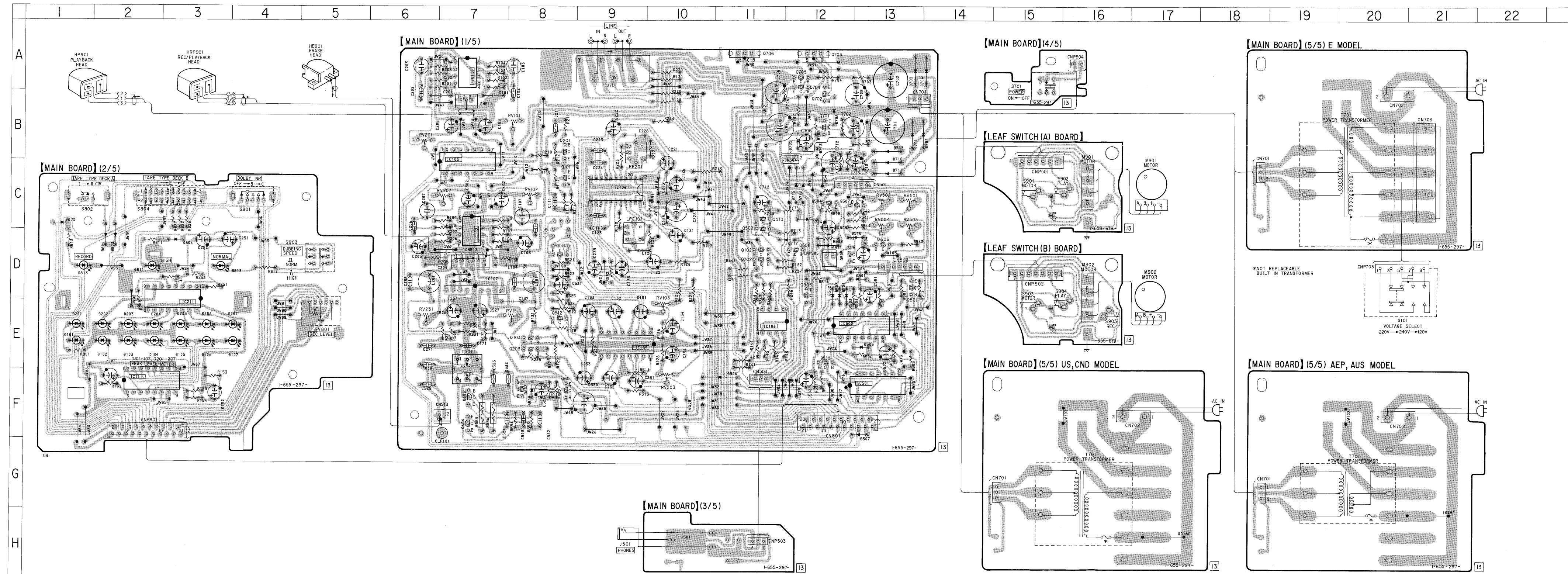
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

-  :B+ Line.
-  :B- Line.
-  :adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
no mark: PLAY
(): BUBBING INORM
<): BUBBING HIGH
- Voltages are taken with a VOM (Input impedance 10M Ω).
Voltage variations may be noted due to normal production tolerances.
- AC voltage readings in the bias oscillator with a VTVM.
- Abbreviation
CND:Canadian model.
AUS:Australian model.
- Signal path.
 : PB (BECK A)
 : PB (BECK B)
 : REC (BECK B)

- **Semiconductor Location**

Sensor Identifier Location		Sensor Identifier Location	
Ref. No.	Location	Ref. No.	Location
D101	E-1	D812	D-2
D102	E-2	D813	D-3
D103	E-2		
D104	E-2	IC101	A-7
D105	E-3	IC102	D-7
D106	E-3	IC103	C-7
D107	E-4	IC104	C-9
D201	E-1	IC105	E-9
D202	E-2	IC106	E-11
D203	E-2	IC107	D-7
D204	E-2	IC111	F-2
D205	E-3	IC211	E-3
D206	E-3	IC501	F-13
D207	E-4	IC502	E-12
D501	D-13		
D502	D-12	Q101	C-8
D503	D-12	Q102	D-11
D504	D-12	Q103	E-8
D505	E-13	Q201	B-8
D506	F-11	Q202	D-11
D507	F-13	Q203	E-8
D508	F-8	Q501	D-13
D509	F-10	Q502	E-12
D510	D-12	Q503	D-12
D511	D-12	Q504	C-12
D701	B-13	Q505	D-12
D702	B-13	Q506	D-12
D703	A-13	Q507	C-12
D704	A-13	Q508	D-12
D705	B-12	Q509	C-11
D706	B-12	Q510	C-11
D710	C-13	Q511	D-8
D711	C-13	Q512	E-8
D712	B-13	Q601	F-8
D713	B-12	Q602	F-8
D714	C-12	Q603	F-7
D715	C-12	Q604	F-7
D716	C-12	Q701	B-12
D717	D-12	Q702	B-12
D801	D-2	Q703	A-12
D802	C-1	Q704	A-12
D803	D-2	Q705	A-12
D804	D-3	Q706	A-11
D811	D-1		

4-3. PRINTED WIRING BOARD

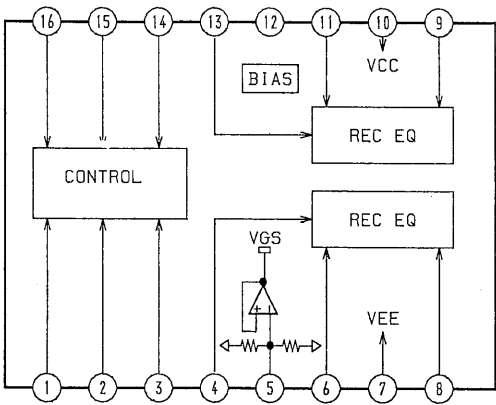


Note:

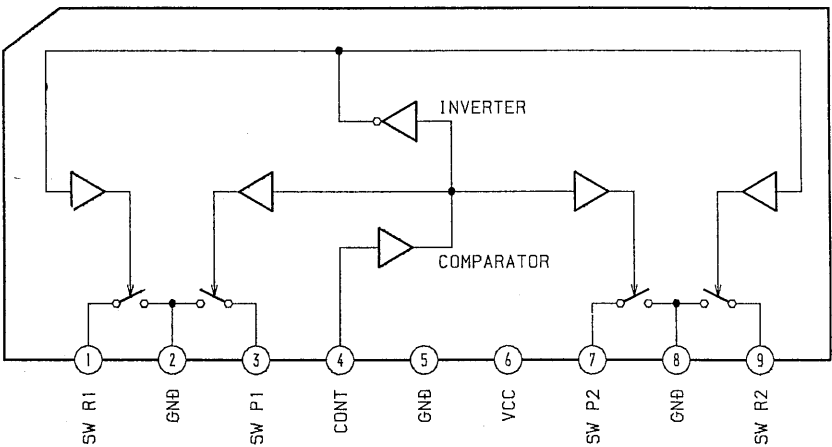
- : parts extracted from the component side.
- : Pattern from the side which enable seeing.
- Abbreviation
- CND : Canadian model.
- AUS : Australian model.

4-4. IC BLOCK DIAGRAMS

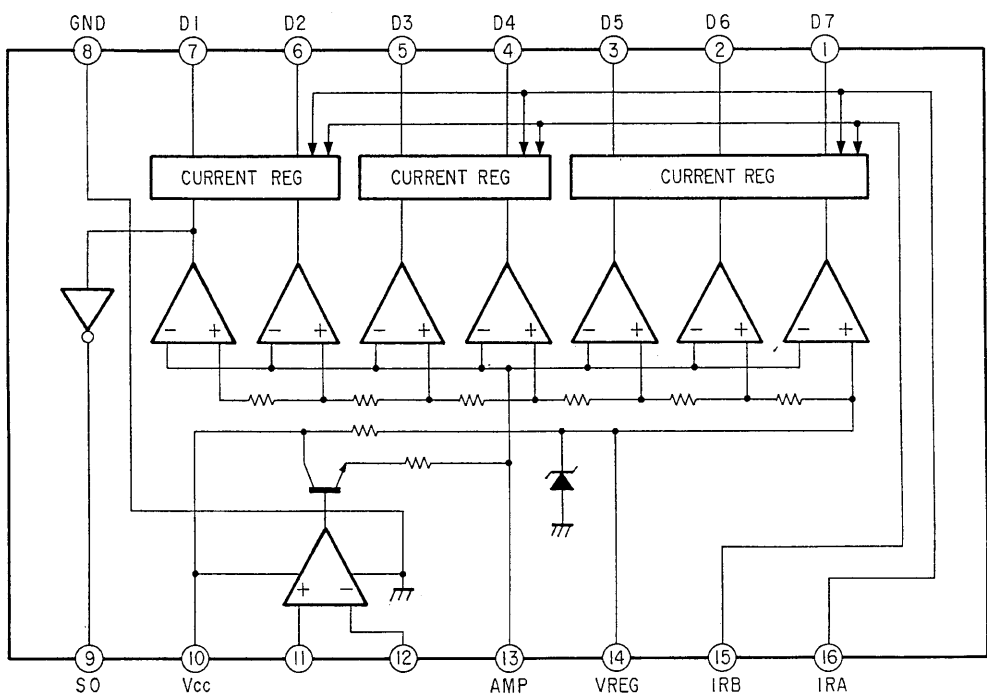
IC105 CXA1579P



IC107 μ PC1330HA-NA



IC111,211 IR2E02





SECTION 5 EXPLODED VIEWS


NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

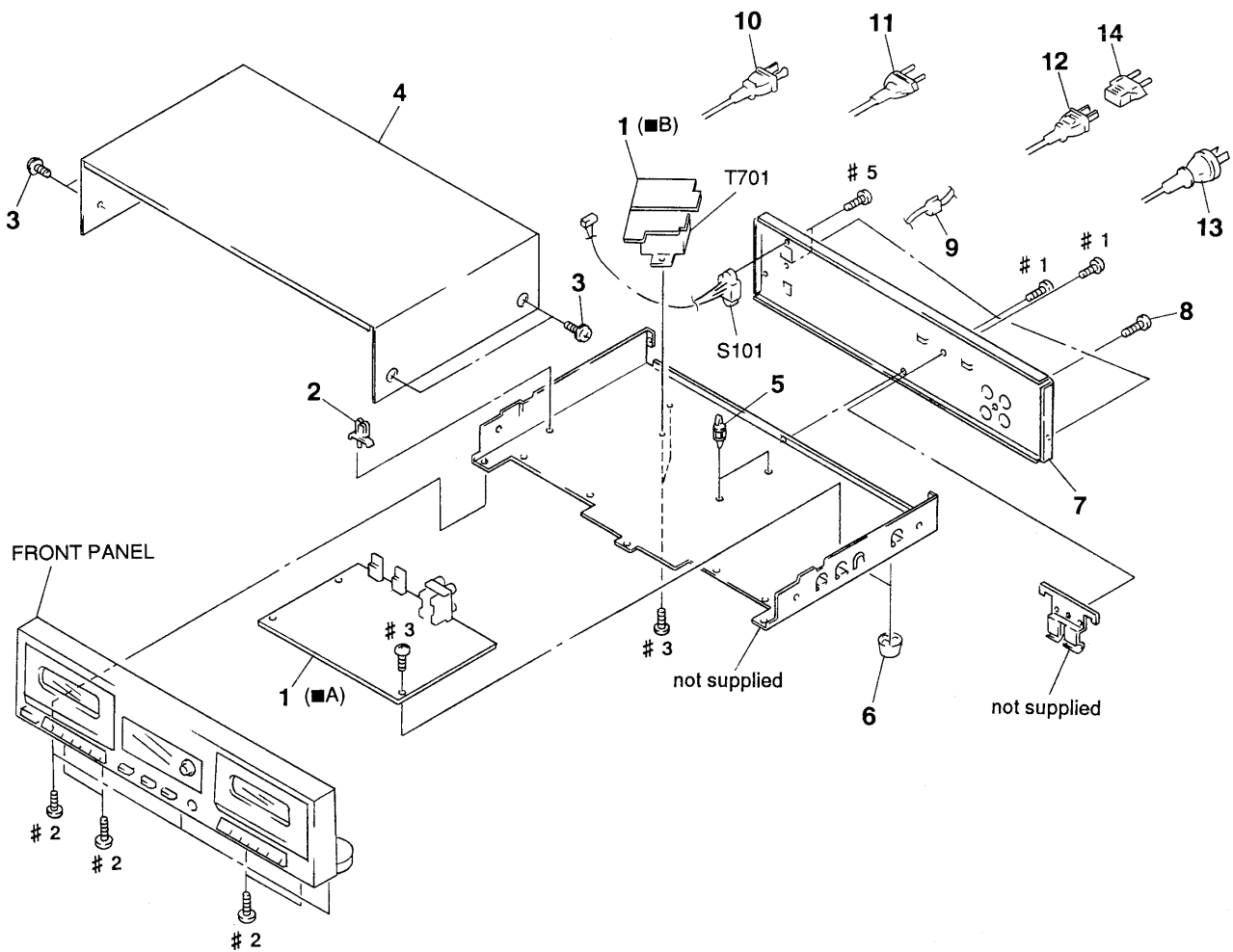
• Abbreviation
CND : Canadian model
AUS : Australian model










The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. CASE SECTION

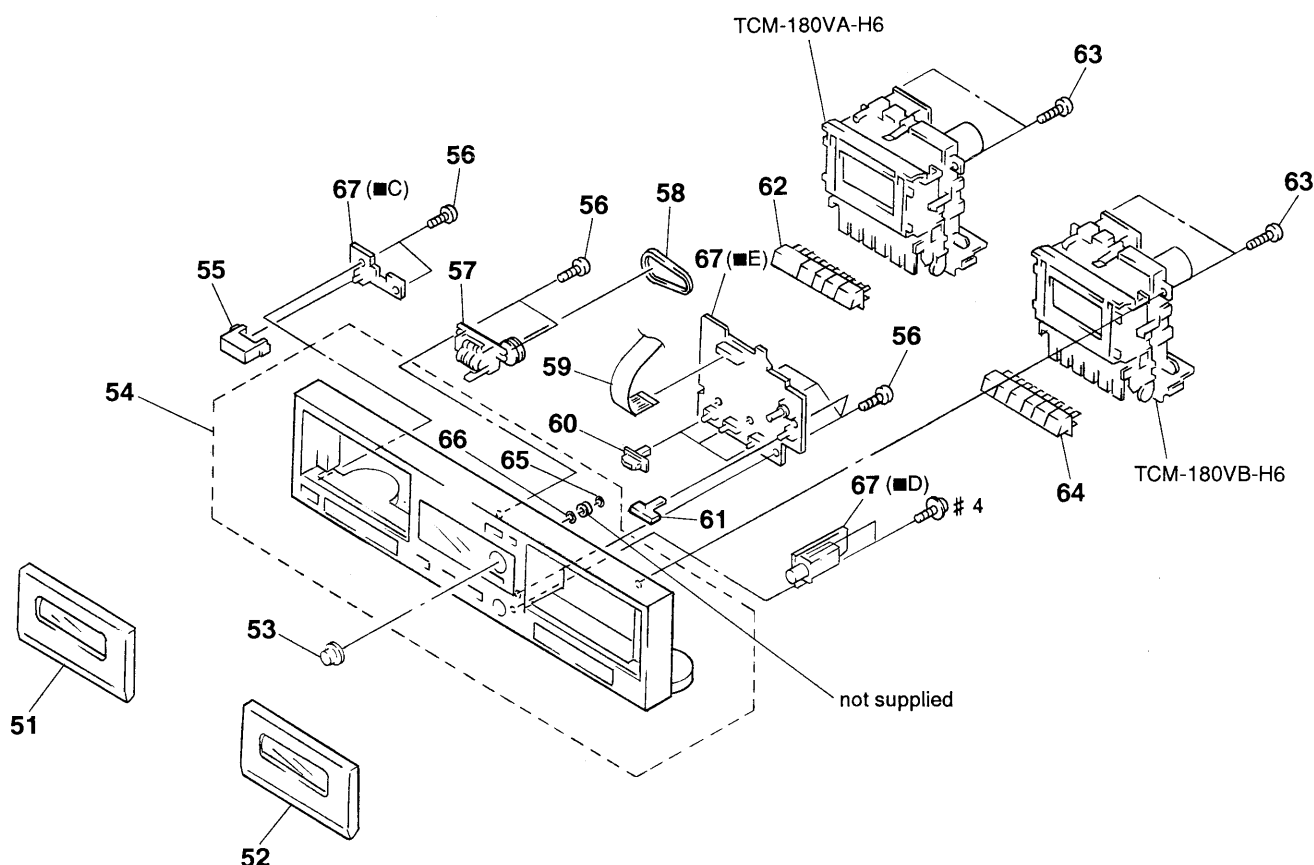
NOTE: ■ A, ■ B, ■ C, ■ D and ■ E are supplied as MAIN board.



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
* 1	A-2007-307-A	MAIN BOARD, COMPLETE (US, CND)		8	3-704-515-01	SCREW (BV/RING)	
* 1	A-2007-308-A	MAIN BOARD, COMPLETE (AEP)		* 9	3-703-244-00	BUSHING (2104), CORD (AEP, AUS)	
* 1	A-2007-309-A	MAIN BOARD, COMPLETE (AUS)		9	3-703-571-11	BUSHING (S) (4516), CORD (US, CND, E)	
* 1	A-2007-392-A	MAIN BOARD, COMPLETE (E)		 10	1-558-945-21	CORD, POWER (POLAR. SPT-1) (US, CND)	
2	2-122-805-01	CLAMP, CORD		 11	1-575-651-21	CORD, POWER (AEP)	
3	3-363-099-01	SCREW (CASE 3 TP2)		 12	1-558-943-41	CORD, POWER (E)	
* 4	4-943-088-41	CASE		 13	1-696-845-11	CORD, POWER (AUS)	
* 5	3-346-265-31	HOLDER, PC BOARD		 14	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
6	4-930-848-01	FOOT		 S101	1-692-155-11	SELECTOR, POWER VOLTAGE (E)	
* 7	3-919-820-01	PANEL, BACK (US)		 T701	1-427-777-11	TRANSFORMER, POWER (US, CND)	
* 7	3-919-820-11	PANEL, BACK (AEP)		 T701	1-427-778-11	TRANSFORMER, POWER (AEP, AUS)	
* 7	3-919-820-21	PANEL, BACK (E)					
* 7	3-919-820-31	PANEL, BACK (AUS)		 T701	1-427-779-11	TRANSFORMER, POWER (E)	
* 7	3-919-820-41	PANEL, BACK (CND)					

5-2. FRONT PANEL SECTION

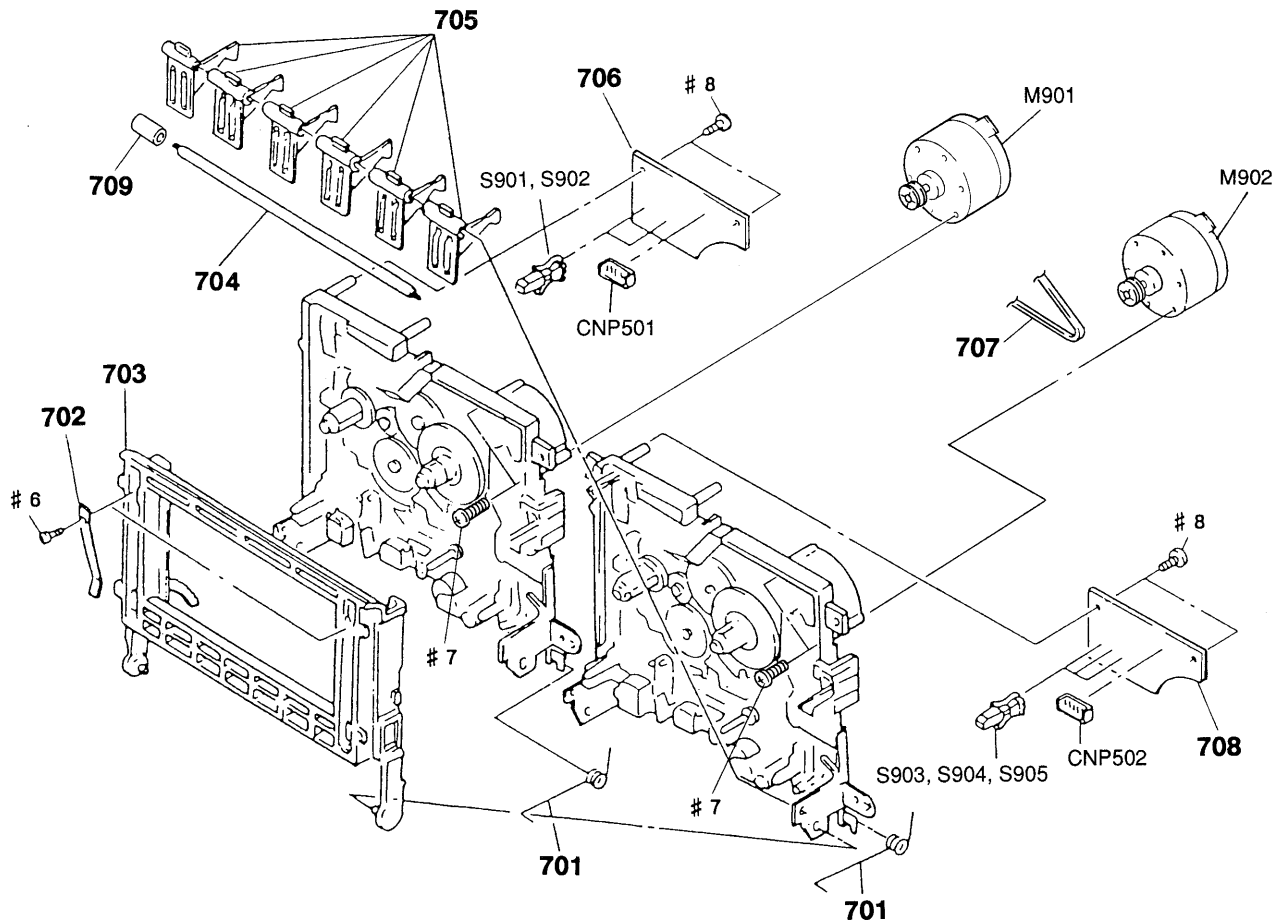
NOTE: ■ A, ■ B, ■ C, ■ D and ■ E are supplied as MAIN board.



Ref. No.	Part No.	Description
51	X-3369-525-1	LID (A) ASSY, CASSETTE
52	X-3369-526-1	LID (B) ASSY, CASSETTE
53	3-909-661-01	KNOB (REC)
54	X-3369-527-1	PANEL ASSY, FRONT (US,CND)
54	X-3369-528-1	PANEL ASSY, FRONT (AEP, E, AUS)
55	3-354-932-01	BUTTON (POWER)
56	4-951-620-01	SCREW (2.6X8), +BVTP
57	1-548-596-61	COUNTER, TAPE (MIDDLE TYPE)
58	3-453-112-00	BELT (CAPSTAN)
59	1-769-348-11	WIRE (FLAT TYPE) (21 CORE)
60	3-919-806-01	KNOB (SL)

Remark	Ref. No.	Part No.	Description	Remark
	61	3-919-807-01	BUTTON (DB)	
	62	3-919-815-01	BUTTON (BLOCK A)	
	63	4-951-620-11	SCREW (2.6X10), +BVTP	
	64	3-919-816-01	BUTTON (BLOCK B)	
	65	3-558-708-11	WASHER, STOPPER	
	66	3-701-437-11	WASHER	
	* 67	A-2007-307-A	MAIN BOARD, COMPLETE (US,CND)	
	* 67	A-2007-308-A	MAIN BOARD, COMPLETE (AEP)	
	* 67	A-2007-309-A	MAIN BOARD, COMPLETE (AUS)	
	* 67	A-2007-392-A	MAIN BOARD, COMPLETE (E)	

5-3. MECHANISM DECK SECTION 1
(DECK A: TCM-180VA-H6)
(DECK B: TCM-180VB-H6)

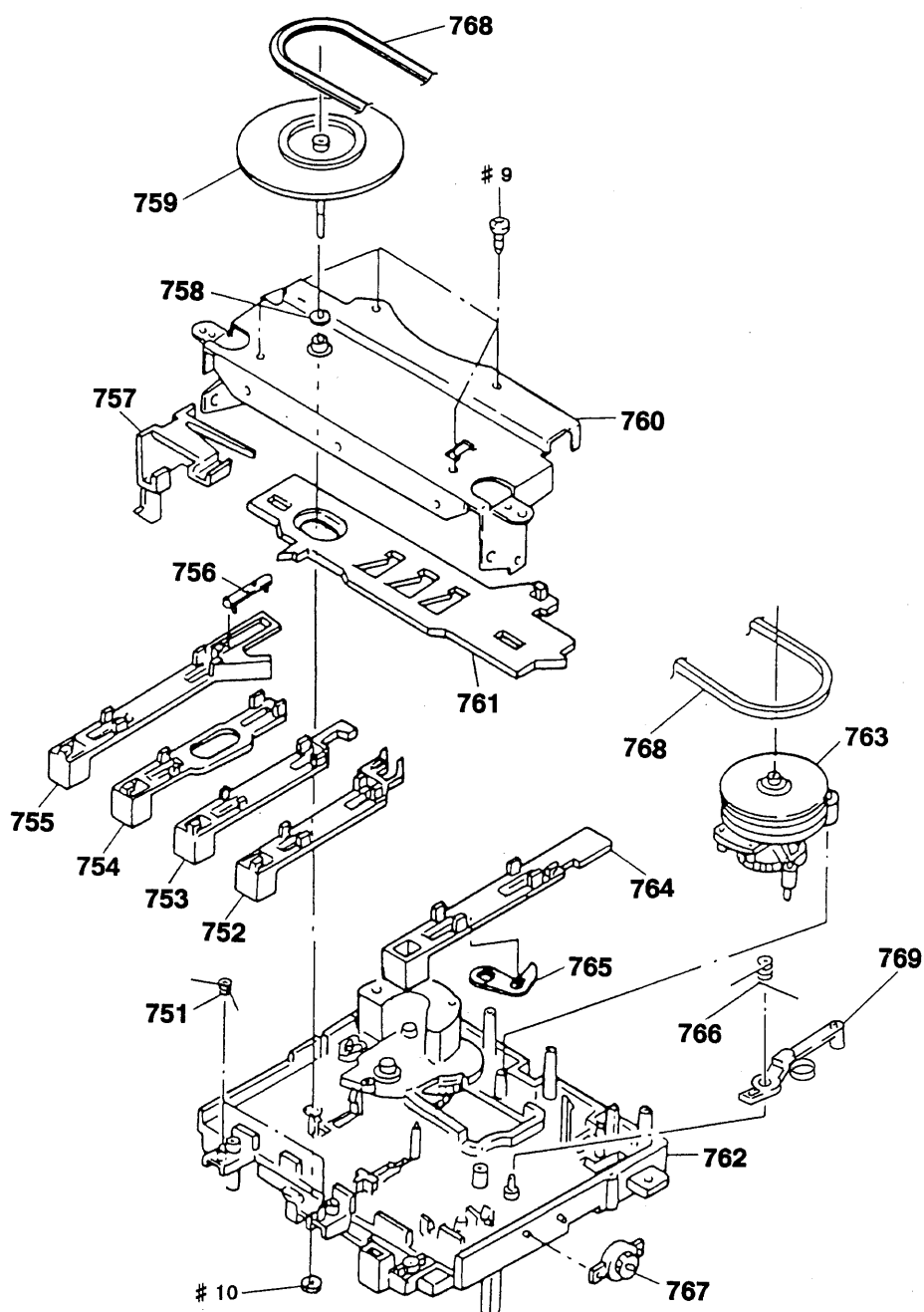


Ref.No.	Part No.	Description
701	3-358-287-01	SPRING (LOADING A), TORSION
702	3-358-209-01	SPRING (CASSETTE HOLDER), LEAF
703	3-358-266-02	HOLDER, CASSETTE
704	3-371-917-01	SHAFT (BUTTON SHAFT 4)
705	3-369-333-01	LEVER (BUTTON BASE D)
* 706	1-655-679-13	LEAF SWITCH (A) BOARD
707	3-358-272-01	BELT (A2)
* 708	1-655-679-13	LEAF SWITCH (B) BOARD
* 709	3-358-216-01	COLLAR (DECK A)
* CNP501	1-564-499-11	PIN, CONNECTOR 6P

Ref.No.	Part No.	Description
* CNP502	1-564-500-11	PIN, CONNECTOR 7P
M901	X-3358-212-1	MOTOR (A) ASSY (DECK A)
M902	X-3358-212-1	MOTOR (B) ASSY (DECK B)
S901	1-571-736-11	SWITCH, LEAF (MOTOR)
S902	1-571-736-11	SWITCH, LEAF (PLAY)
S903	1-571-736-11	SWITCH, LEAF (MOTOR)
S904	1-571-736-11	SWITCH, LEAF (PLAY)
S905	1-571-736-11	SWITCH, LEAF (REC)

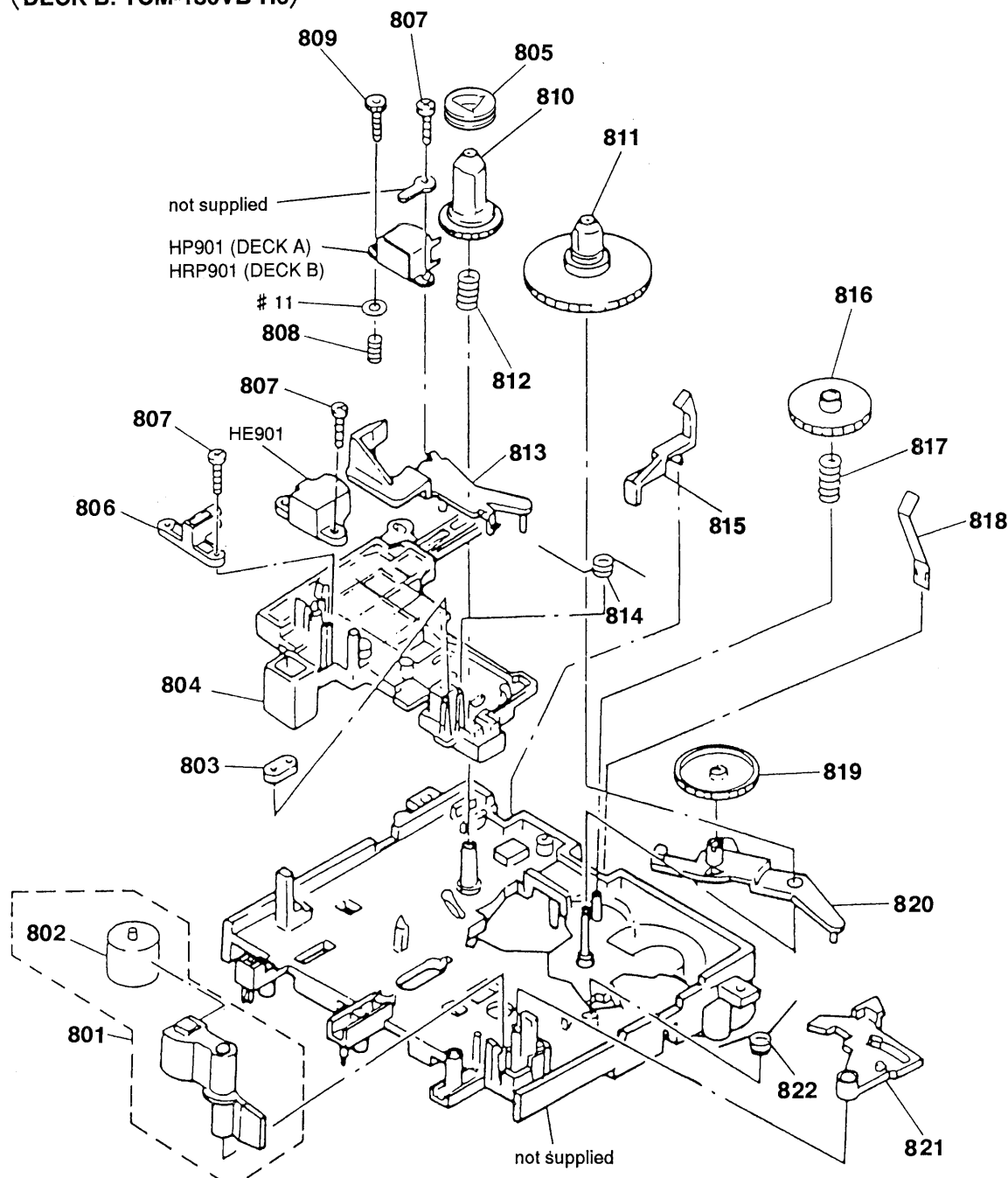
Remark

5-4. MECHANISM DECK SECTION 2
 (DECK A: TCM-180VA-H6)
 (DECK B: TCM-180VB-H6)



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
751	3-358-232-01	SPRING (S-P F-R), TORSION		* 761	3-358-249-01	SLIDER (LOCK PLATE)	
752	3-358-258-01	SLIDER (REW)		762	X-3358-207-2	CHASSIS (A) ASSY	
753	3-358-257-01	SLIDER (FF)		763	X-3358-202-1	LEVER (FR ARM) ASSY	
754	3-358-256-01	SLIDER (STOP/EJECT)		764	3-358-259-01	SLIDER (REC)(DECK B)	
755	3-358-260-01	SLIDER (PAUSE)		* 765	3-358-204-01	LEVER (REC SAFETY)(DECK B)	
* 756	3-358-226-01	LEVER (PAUSE LEVER)		766	3-358-214-01	SPRING (LOCK), TORSION (DECK A)	
* 757	3-358-261-02	SLIDER (HOLDER LOCK)		766	3-358-233-01	SPRING (REC-LOCK), TORSION (DECK B)	
758	3-701-437-01	WASHER		767	3-319-224-51	DAMPER, SMALL	
759	X-3358-205-1	FLY WHEEL (A) ASSY		768	3-358-230-01	BELT (A1)	
* 760	X-3358-213-1	BRACKET (A) ASSY		769	3-358-286-01	LEVER (MOTOR LEVER)	

5-5. MECHANISM DECK SECTION 3
(DECK A: TCM-180VA-H6)
(DECK B: TCM-180VB-H6)



Ref. No.	Part No.	Description	Remark
801	X-3358-204-1	LEVER (PINCH LEVER) ASSY	
802	3-578-143-11	PINCH ROLLER	
* 803	3-358-215-01	BUSHING (WIRE KIT RETAINER)	
804	3-358-265-01	SLIDER (HEAD PC BOARD A)	
* 805	3-358-270-01	PULLEY (COUNTER PULLEY) (DECK B)	
* 806	3-363-931-01	GUIDE, TAPE (DECK A)	
807	3-358-288-11	SCREW (T), AZIMUTH	
808	3-358-234-01	SPRING (AZIMUTH), COMPRESSION	
809	3-358-288-01	SCREW (T), AZIMUTH	
810	3-358-248-01	GEAR (SUPPLY REEL)	
811	X-3358-203-1	TABLE (T) ASSY, REEL	
812	3-358-208-01	SPRING (SUPPLY), COMPRESSION	
* 813	3-358-251-01	LEVER (TENSION DETECTION ARM)	

Ref. No.	Part No.	Description	Remark
814	3-358-228-01	SPRING, TORSION	
* 815	3-358-255-01	LEVER (GB LEVER) (DECK B)	
* 816	3-358-224-01	GEAR (FF GEAR)	
817	3-358-207-01	SPRING (FF GEAR), COMPRESSION	
818	3-358-227-01	SPRING, LEAF	
* 819	3-358-284-01	GEAR (TU GEAR)	
* 820	3-358-252-01	LEVER (TU ARM)	
* 821	3-358-253-01	LEVER (SHUT-OFF LEVER)	
822	3-358-243-01	SPRING (TU-SHUT), TORSION	
HE901	1-543-673-11	HEAD, MAGNETIC (ERASE) (DECK B)	
HP901	1-543-319-11	HEAD, MAGNETIC (PB) (DECK A)	
HRP901	1-543-319-11	HEAD, MAGNETIC (REC/PB) (DECK B)	

LEAF SWITCH (A)

LEAF SWITCH (B)

MAIN

SECTION 6

ELECTRICAL PARTS LIST

NOTE:

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F : nonflammable

- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...
- CAPACITORS
uF : μ F
- COILS
uH : μ H
- Abbreviation
CND : Canadian model
AUS : Australian model

Ref.No.	Part No.	Description	Remark
*	1-655-679-13	LEAF SWITCH (A) BOARD *****	
		< CAPACITOR >	
C10	1-162-306-11	CERAMIC 0.01uF 30% 16V	
		< CONNECTOR >	
* CNP501	1-564-499-11	PIN, CONNECTOR 6P	
		< SWITCH >	
S901	1-571-736-11	SWITCH, LEAF (MOTOR)	
S902	1-571-736-11	SWITCH, LEAF (PLAY)	

*	1-655-679-13	LEAF SWITCH (B) BOARD *****	
		< CAPACITOR >	
C10	1-162-306-11	CERAMIC 0.01uF 30% 16V	
		< CONNECTOR >	
* CNP502	1-564-500-11	PIN, CONNECTOR 7P	
		< SWITCH >	
S903	1-571-736-11	SWITCH, LEAF (MOTOR)	
S904	1-571-736-11	SWITCH, LEAF (PLAY)	
S905	1-571-736-11	SWITCH, LEAF (REC)	

Ref.No.	Part No.	Description	Remark
*	A-2007-307-A	MAIN BOARD, COMPLETE (US, CND) *****	
*	A-2007-308-A	MAIN BOARD, COMPLETE (AEP) *****	
*	A-2007-309-A	MAIN BOARD, COMPLETE (AUS) *****	
*	A-2007-392-A	MAIN BOARD, COMPLETE (E) *****	
		< CAPACITOR >	
C101	1-162-290-31	CERAMIC 470PF 10% 50V	
C102	1-136-157-00	FILM 0.022uF 5% 50V	
C103	1-124-767-00	ELECT 2.2uF 20% 50V	
C104	1-162-290-31	CERAMIC 470PF 10% 50V	
C105	1-124-443-00	ELECT 100uF 20% 10V	
C106	1-136-157-00	FILM 0.022uF 5% 50V	
C107	1-124-767-00	ELECT 2.2uF 20% 50V	
C108	1-124-907-11	ELECT 10uF 20% 50V	
C111	1-130-479-00	MYLAR 0.0047uF 5% 50V	
C115	1-162-289-31	CERAMIC 390PF 10% 50V	
C121	1-124-927-11	ELECT 4.7uF 20% 100V	
C122	1-124-907-11	ELECT 10uF 20% 50V	
C123	1-136-165-00	FILM 0.1uF 5% 50V	
C124	1-136-163-00	FILM 0.068uF 5% 50V	
C125	1-124-907-11	ELECT 10uF 20% 50V	
C126	1-126-803-11	ELECT 47uF 20% 10V	
C128	1-162-600-11	CERAMIC 0.0047uF 30% 16V	
C131	1-124-927-11	ELECT 4.7uF 20% 100V	
C132	1-124-902-00	ELECT 0.47uF 20% 50V	
C133	1-124-927-11	ELECT 4.7uF 20% 100V	
C134	1-124-907-11	ELECT 10uF 20% 50V	
C137	1-162-284-31	CERAMIC 150PF 10% 50V	
C138	1-136-433-11	FILM 100PF 5% 630V	
C151	1-124-903-11	ELECT 1uF 20% 50V	
C152	1-124-927-11	ELECT 4.7uF 20% 100V	
C171	1-136-439-11	FILM 330PF 5% 630V	
C201	1-162-290-31	CERAMIC 470PF 10% 50V	
C202	1-136-157-00	FILM 0.022uF 5% 50V	
C203	1-124-767-00	ELECT 2.2uF 20% 50V	
C204	1-162-290-31	CERAMIC 470PF 10% 50V	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C205	1-124-443-00	ELECT	100uF	20%	10V	C712	1-124-443-00	ELECT	100uF	20%	10V
C206	1-136-157-00	FILM	0.022uF	5%	50V			< CONNECTOR >			
C207	1-124-767-00	ELECT	2.2uF	20%	50V						
C208	1-124-907-11	ELECT	10uF	20%	50V	CN503	1-506-468-11	PIN, CONNECTOR	3P		
C211	1-130-479-00	MYLAR	0.0047uF	5%	50V	* CN504	1-568-951-11	PIN, CONNECTOR	2P		
						* CN511	1-564-705-11	PIN, CONNECTOR (SMALL TYPE)	3P		
C215	1-162-289-31	CERAMIC	390PF	10%	50V	* CN512	1-564-708-11	PIN, CONNECTOR (SMALL TYPE)	6P		
C221	1-124-927-11	ELECT	4.7uF	20%	100V	* CN513	1-564-704-11	PIN, CONNECTOR (SMALL TYPE)	2P		
C222	1-124-907-11	ELECT	10uF	20%	50V						
C223	1-136-165-00	FILM	0.1uF	5%	50V	CN701	1-506-468-11	PIN, CONNECTOR	3P		
C224	1-136-163-00	FILM	0.068uF	5%	50V	* CN702	1-580-230-31	PIN, CONNECTOR (PC BOARD)	2P		
						CN703	1-573-565-11	PIN, CONNECTOR	5P		
C225	1-124-907-11	ELECT	10uF	20%	50V	CN801	1-568-838-11	SOCKET, CONNECTOR	21P		
C226	1-124-604-00	ELECT	330uF	20%	10V	* CNP505	1-535-115-00	TERMINAL			
C228	1-162-600-11	CERAMIC	0.0047uF	30%	16V						
C231	1-124-927-11	ELECT	4.7uF	20%	100V	CNP801	1-568-838-11	SOCKET, CONNECTOR	21P		
C232	1-124-902-00	ELECT	0.47uF	20%	50V			< DIODE >			
C233	1-124-927-11	ELECT	4.7uF	20%	100V	D101	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C234	1-124-907-11	ELECT	10uF	20%	50V	D102	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C237	1-162-284-31	CERAMIC	150PF	10%	50V	D103	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C238	1-136-433-11	FILM	100PF	5%	630V	D104	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C251	1-124-903-11	ELECT	1uF	20%	50V	D105	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C252	1-124-927-11	ELECT	4.7uF	20%	100V	D106	8-719-304-32	LED	SEL4214S (GREEN) (PEAK LEVEL METER)		
C271	1-136-439-11	FILM	330PF	5%	630V	D107	8-719-304-32	LED	SEL4214S (GREEN) (PEAK LEVEL METER)		
C302	1-124-907-11	ELECT	10uF	20%	50V	D201	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C402	1-124-907-11	ELECT	10uF	20%	50V	D202	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C501	1-124-907-11	ELECT	10uF	20%	50V	D203	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C502	1-124-907-11	ELECT	10uF	20%	50V	D204	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C503	1-124-925-11	ELECT	2.2uF	20%	100V	D205	8-719-304-37	LED	SEL4414E (RED) (PEAK LEVEL METER)		
C504	1-124-902-00	ELECT	0.47uF	20%	50V	D206	8-719-304-32	LED	SEL4214S (GREEN) (PEAK LEVEL METER)		
C505	1-124-907-11	ELECT	10uF	20%	50V	D207	8-719-304-32	LED	SEL4214S (GREEN) (PEAK LEVEL METER)		
C521	1-124-902-00	ELECT	0.47uF	20%	50V	D501	8-719-987-63	DIODE	1N4148M		
C522	1-106-355-12	MYLAR	3300PF	5%	200V	D502	8-719-987-63	DIODE	1N4148M		
C523	1-106-355-12	MYLAR	3300PF	5%	200V	D503	8-719-987-63	DIODE	1N4148M		
C524	1-106-365-00	MYLAR	0.0082uF	5%	100V	D504	8-719-987-63	DIODE	1N4148M		
C525	1-136-177-00	FILM	1uF	5%	50V	D505	8-719-987-63	DIODE	1N4148M		
C526	1-124-927-11	ELECT	4.7uF	20%	100V	D506	8-719-987-63	DIODE	1N4148M		
C527	1-124-907-11	ELECT	10uF	20%	50V	D507	8-719-987-63	DIODE	1N4148M		
C528	1-136-562-11	FILM	0.0082uF	5%	630V	D508	8-719-987-63	DIODE	1N4148M		
C529	1-136-601-11	FILM	0.01uF	5%	630V	D509	8-719-987-63	DIODE	1N4148M		
C530	1-124-120-11	ELECT	220uF	20%	25V	D510	8-719-987-63	DIODE	1N4148M		
C531	1-124-907-11	ELECT	10uF	20%	50V	D511	8-719-987-63	DIODE	1N4148M		
C532	1-136-174-00	FILM	0.56uF	5%	50V	D701	8-719-024-99	DIODE	11ES2-NTA2B		
C701	1-124-557-11	ELECT	1000uF	20%	25V	D702	8-719-024-99	DIODE	11ES2-NTA2B		
C702	1-124-557-11	ELECT	1000uF	20%	25V	D703	8-719-024-99	DIODE	11ES2-NTA2B		
C704	1-124-120-11	ELECT	220uF	20%	25V	D704	8-719-024-99	DIODE	11ES2-NTA2B		
C705	1-124-120-11	ELECT	220uF	20%	25V	D705	8-719-000-75	DIODE	UZL-7L1		
C706	1-124-903-11	ELECT	1uF	20%	50V	D706	8-719-987-63	DIODE	1N4148M		
C707	1-124-473-11	ELECT	1000uF	20%	10V	D710	8-719-024-99	DIODE	11ES2-NTA2B		
C708	1-124-472-11	ELECT	470uF	20%	10V	D711	8-719-024-99	DIODE	11ES2-NTA2B		
C710	1-124-927-11	ELECT	4.7uF	20%	100V	D712	8-719-024-99	DIODE	11ES2-NTA2B		
C711	1-124-119-00	ELECT	330uF	20%	16V						

MAIN

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D713	8-719-933-47	DIODE	HZS7B2L	Q505	8-729-900-89	TRANSISTOR	DTC144ES
D714	8-719-933-33	DIODE	HZS6A1L	Q506	8-729-900-65	TRANSISTOR	DTA144ES
D715	8-719-987-63	DIODE	1N4148M	Q507	8-729-900-65	TRANSISTOR	DTA144ES
D716	8-719-987-63	DIODE	1N4148M	Q508	8-729-900-65	TRANSISTOR	DTA144ES
D717	8-719-987-63	DIODE	1N4148M	Q509	8-729-119-78	TRANSISTOR	2SC2785-HFE
D801	8-719-987-63	DIODE	1N4148M	Q510	8-729-119-78	TRANSISTOR	2SC2785-HFE
D802	8-719-987-63	DIODE	1N4148M	Q511	8-729-900-89	TRANSISTOR	DTC144ES
D803	8-719-987-63	DIODE	1N4148M	Q512	8-729-900-89	TRANSISTOR	DTC144ES
D804	8-719-987-63	DIODE	1N4148M	Q601	8-729-900-65	TRANSISTOR	DTA144ES
D811	8-719-302-46	DIODE	SEL1210S-C (HIGH)	Q602	8-729-119-78	TRANSISTOR	2SC2785-HFE
D812	8-719-302-46	DIODE	SEL1210S-C (NORMAL)	Q603	8-729-142-46	TRANSISTOR	2SC2001-LK
D813	8-719-302-46	DIODE	SEL1210S-C (RECORD)	Q604	8-729-142-46	TRANSISTOR	2SC2001-LK
< IC >				Q701	8-729-119-78	TRANSISTOR	2SC2785-HFE
IC101	8-759-111-44	IC	uPC4570C-1	Q702	8-729-119-78	TRANSISTOR	2SC2785-HFE
IC102	8-759-111-44	IC	uPC4570C-1	Q703	8-729-141-83	TRANSISTOR	2SB1094-LK
IC103	8-759-000-49	IC	MC14066BCP	Q704	8-729-119-76	TRANSISTOR	2SA1175-HFE
IC104	8-752-060-46	IC	CXA1561S	Q705	8-729-119-76	TRANSISTOR	2SA1175-HFE
IC105	8-752-055-62	IC	CXA1579P	Q706	8-729-209-15	TRANSISTOR	2SD2012
< JACK >				< RESISTOR >			
IC106	8-759-634-51	IC	M5218AP	R101	1-247-889-00	CARBON	270K 5% 1/4W
IC107	8-759-079-42	IC	uPC1330HA-NA	R102	1-249-404-00	CARBON	82 5% 1/4W F
IC111	8-759-912-79	IC	IR2E02	R103	1-249-426-11	CARBON	5.6K 5% 1/4W
IC211	8-759-912-79	IC	IR2E02	R104	1-247-881-00	CARBON	120K 5% 1/4W
IC501	8-759-040-01	IC	MC14001BCP	R105	1-247-889-00	CARBON	270K 5% 1/4W
IC502	8-759-140-11	IC	uPD4011BC	R106	1-249-433-11	CARBON	22K 5% 1/4W
< COIL >				R107	1-247-807-31	CARBON	100 5% 1/4W
J501	1-568-519-41	JACK, LARGE TYPE (PHONES)		R108	1-249-426-11	CARBON	5.6K 5% 1/4W
J701	1-565-258-11	JACK, PIN 4P (LINE)		R109	1-247-881-00	CARBON	120K 5% 1/4W
< FILTER >				R110	1-247-856-00	CARBON	11K 5% 1/4W
L101	1-410-781-11	INDUCTOR	33mH	R111	1-249-431-11	CARBON	15K 5% 1/4W
L201	1-410-781-11	INDUCTOR	33mH	R112	1-247-887-00	CARBON	220K 5% 1/4W
< TRANSISTOR >				R113	1-249-417-11	CARBON	1K 5% 1/4W F
LPF101	1-233-275-11	FILTER, LOW PASS		R114	1-249-433-11	CARBON	22K 5% 1/4W
LPF201	1-233-275-11	FILTER, LOW PASS		R120	1-249-434-11	CARBON	27K 5% 1/4W
Q101	8-729-900-89	TRANSISTOR	DTC144ES	R122	1-247-850-11	CARBON	6.2K 5% 1/4W
Q102	8-729-119-78	TRANSISTOR	2SC2785-HFE	R123	1-249-421-11	CARBON	2.2K 5% 1/4W F
Q103	8-729-119-78	TRANSISTOR	2SC2785-HFE	R124	1-249-421-11	CARBON	2.2K 5% 1/4W F
Q201	8-729-900-89	TRANSISTOR	DTC144ES	R125	1-249-429-11	CARBON	10K 5% 1/4W
Q202	8-729-119-78	TRANSISTOR	2SC2785-HFE	R126	1-249-423-11	CARBON	3.3K 5% 1/4W F
Q203	8-729-119-78	TRANSISTOR	2SC2785-HFE	R127	1-249-421-11	CARBON	2.2K 5% 1/4W F
Q501	8-729-900-65	TRANSISTOR	DTA144ES	R128	1-249-409-11	CARBON	220 5% 1/4W F
Q502	8-729-119-78	TRANSISTOR	2SC2785-HFE	R129	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q503	8-729-900-74	TRANSISTOR	DTC143TS	R130	1-249-417-11	CARBON	1K 5% 1/4W F
Q504	8-729-900-80	TRANSISTOR	DTC114ES	R131	1-249-430-11	CARBON	12K 5% 1/4W
				R141	1-249-428-11	CARBON	8.2K 5% 1/4W F
				R142	1-249-424-11	CARBON	3.9K 5% 1/4W F
				R143	1-249-429-11	CARBON	10K 5% 1/4W
				R144	1-249-421-11	CARBON	2.2K 5% 1/4W F
				R145	1-249-424-11	CARBON	3.9K 5% 1/4W F

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R146	1-249-409-11	CARBON	220 5% 1/4W F	R510	1-247-807-31	CARBON	100 5% 1/4W
R151	1-247-840-00	CARBON	2. 4K 5% 1/4W	R511	1-249-437-11	CARBON	47K 5% 1/4W
R153	1-249-441-11	CARBON	100K 5% 1/4W	R512	1-249-393-11	CARBON	10 5% 1/4W F
R154	1-247-883-00	CARBON	150K 5% 1/4W	R513	1-249-437-11	CARBON	47K 5% 1/4W
R155	1-249-433-11	CARBON	22K 5% 1/4W	R514	1-249-417-11	CARBON	1K 5% 1/4W F
R171	1-249-439-11	CARBON	68K 5% 1/4W	R521	1-249-429-11	CARBON	10K 5% 1/4W
R201	1-247-889-00	CARBON	270K 5% 1/4W	R522	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R202	1-249-404-00	CARBON	82 5% 1/4W F	R523	1-249-440-11	CARBON	82K 5% 1/4W
R203	1-249-426-11	CARBON	5. 6K 5% 1/4W	R524	1-249-429-11	CARBON	10K 5% 1/4W
R204	1-247-881-00	CARBON	120K 5% 1/4W	R525	1-247-862-11	CARBON	20K 5% 1/4W
R205	1-247-889-00	CARBON	270K 5% 1/4W	R530	1-215-455-00	METAL	27K 1% 1/4W
R206	1-249-433-11	CARBON	22K 5% 1/4W	R531	1-249-437-11	CARBON	47K 5% 1/4W
R207	1-247-807-31	CARBON	100 5% 1/4W	R541	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R208	1-249-426-11	CARBON	5. 6K 5% 1/4W	R542	1-247-811-31	CARBON	150 5% 1/4W
R209	1-247-881-00	CARBON	120K 5% 1/4W	R543	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R210	1-247-856-00	CARBON	11K 5% 1/4W	R544	1-247-811-31	CARBON	150 5% 1/4W
R211	1-249-431-11	CARBON	15K 5% 1/4W	R551	1-249-429-11	CARBON	10K 5% 1/4W
R212	1-247-887-00	CARBON	220K 5% 1/4W	R552	1-249-417-11	CARBON	1K 5% 1/4W F
R213	1-249-417-11	CARBON	1K 5% 1/4W F	R553	1-249-435-11	CARBON	33K 5% 1/4W
R220	1-249-434-11	CARBON	27K 5% 1/4W	R554	1-249-435-11	CARBON	33K 5% 1/4W
R222	1-247-850-11	CARBON	6. 2K 5% 1/4W	△R555	1-212-849-00	FUSIBLE	4. 7 5% 1/4W F
R223	1-249-421-11	CARBON	2. 2K 5% 1/4W F	△R556	1-212-849-00	FUSIBLE	4. 7 5% 1/4W F
R224	1-249-421-11	CARBON	2. 2K 5% 1/4W F	R560	1-249-417-11	CARBON	1K 5% 1/4W F
R225	1-249-429-11	CARBON	10K 5% 1/4W	R561	1-249-429-11	CARBON	10K 5% 1/4W
R226	1-249-423-11	CARBON	3. 3K 5% 1/4W F	R591	1-215-452-00	METAL	20K 1% 1/4W
R227	1-249-421-11	CARBON	2. 2K 5% 1/4W F	R592	1-247-807-31	CARBON	100 5% 1/4W
R228	1-249-409-11	CARBON	220 5% 1/4W F	R701	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R229	1-249-425-11	CARBON	4. 7K 5% 1/4W F	R702	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R230	1-249-417-11	CARBON	1K 5% 1/4W F	R703	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R231	1-249-430-11	CARBON	12K 5% 1/4W	R704	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R241	1-249-428-11	CARBON	8. 2K 5% 1/4W F	R705	1-249-417-11	CARBON	1K 5% 1/4W F
R242	1-249-424-11	CARBON	3. 9K 5% 1/4W F	R706	1-249-423-11	CARBON	3. 3K 5% 1/4W F
R243	1-249-429-11	CARBON	10K 5% 1/4W	R707	1-249-424-11	CARBON	3. 9K 5% 1/4W F
R244	1-249-421-11	CARBON	2. 2K 5% 1/4W F	R710	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R245	1-249-424-11	CARBON	3. 9K 5% 1/4W F	R711	1-249-417-11	CARBON	1K 5% 1/4W F
R246	1-249-409-11	CARBON	220 5% 1/4W F	R712	1-249-417-11	CARBON	1K 5% 1/4W F
R251	1-247-840-00	CARBON	2. 4K 5% 1/4W	R713	1-249-433-11	CARBON	22K 5% 1/4W
R253	1-249-441-11	CARBON	100K 5% 1/4W	R714	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R254	1-247-883-00	CARBON	150K 5% 1/4W	R715	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R255	1-249-433-11	CARBON	22K 5% 1/4W	R801	1-249-408-11	CARBON	180 5% 1/4W F
R271	1-249-439-11	CARBON	68K 5% 1/4W	R811	1-249-412-11	CARBON	390 5% 1/4W F
R501	1-249-425-11	CARBON	4. 7K 5% 1/4W F	R812	1-249-413-11	CARBON	470 5% 1/4W F
R502	1-249-425-11	CARBON	4. 7K 5% 1/4W F	R813	1-249-413-11	CARBON	470 5% 1/4W F
R503	1-249-437-11	CARBON	47K 5% 1/4W	R821	1-249-430-11	CARBON	12K 5% 1/4W
R504	1-249-429-11	CARBON	10K 5% 1/4W	R822	1-249-424-11	CARBON	3. 9K 5% 1/4W F
R505	1-249-425-11	CARBON	4. 7K 5% 1/4W F	R823	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R506	1-249-435-11	CARBON	33K 5% 1/4W	< VARIABLE RESISTOR >			
R507	1-249-431-11	CARBON	15K 5% 1/4W	RV101	1-241-630-11	RES, ADJ, CARBON 10K	
R508	1-249-437-11	CARBON	47K 5% 1/4W	RV102	1-241-630-11	RES, ADJ, CARBON 10K	
R509	1-249-433-11	CARBON	22K 5% 1/4W				

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MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
RV103	1-241-630-11	RES, ADJ, CARBON 10K				ACCESSORIES & PACKING MATERIALS	
RV151	1-241-767-21	RES, ADJ, CARBON 100K				*****	
RV201	1-241-630-11	RES, ADJ, CARBON 10K					
RV202	1-241-630-11	RES, ADJ, CARBON 10K				1-558-271-11 CORD, CONNECTION (AUDIO 108cm)	
RV203	1-241-630-11	RES, ADJ, CARBON 10K		*		3-376-136-01 CUSHION (HALF)	
RV251	1-241-767-21	RES, ADJ, CARBON 100K				3-759-823-11 MANUAL, INSTRUCTION	
RV501	1-241-761-11	RES, ADJ, CARBON 1K				(ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP, E)	
RV502	1-241-761-11	RES, ADJ, CARBON 1K				3-759-823-21 MANUAL, INSTRUCTION (ENGLISH)	
						(US, CND, AUS)	
RV503	1-241-761-11	RES, ADJ, CARBON 1K				3-759-823-31 MANUAL, INSTRUCTION (FRENCH) (CND)	
RV504	1-241-761-11	RES, ADJ, CARBON 1K					
RV801	1-223-850-11	RES, VAR, CARBON 20K/20K (REC LEVEL)				3-759-823-41 MANUAL, INSTRUCTION	
						(GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP)	
		< SWITCH >				3-759-823-51 MANUAL, INSTRUCTION (CHINESE) (E)	
S701	1-554-118-00	SWITCH, PUSH (1 KEY) (POWER)		*		3-912-048-01 CUSHION	
S801	1-762-252-11	SWITCH, SLIDE (DOLBY NR)		*		3-921-800-61 INDIVIDUAL CARTON (US, CND, E, AUS)	
S802	1-762-251-11	SWITCH, SLIDE (TAPE TYPE DECK A)		*		3-921-800-71 INDIVIDUAL CARTON (AEP)	
S803	1-554-118-00	SWITCH, PUSH (1 KEY) (DUBBING SPEED)				*****	
S804	1-762-253-11	SWITCH, SLIDE (TAPE TYPE DECK B)					
		< TRANSFORMER >				*****	
T501	1-427-780-11	TRANSFORMER, BIAS OSCILLATION				HARDWARE LIST	
		*****				*****	
		MISCELLANEOUS					

△10	1-558-945-21	CORD, POWER (POLAR. SPT-1) (US, CND)		#1	7-682-547-09	SCREW +BVTT 3X6 (S)	
△11	1-575-651-21	CORD, POWER (AEP)		#2	7-682-548-04	SCREW +BVTT 3X8 (S)	
△12	1-558-943-41	CORD, POWER (E)		#3	7-685-871-01	SCREW +BVTT 3X6 (S)	
△13	1-696-845-11	CORD, POWER (AUS)		#4	7-685-134-19	SCREW (+ PTPWH) (2.6X8)	
△14	1-569-007-11	ADAPTER, CONVERSION 2P (E)		#5	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S (E)	
59	1-769-348-11	WIRE (FLAT TYPE) (21 CORE)		#6	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
* CNP501	1-564-499-11	PIN, CONNECTOR 6P		#7	7-621-775-20	SCREW +B 2.6X5	
* CNP502	1-564-500-11	PIN, CONNECTOR 7P		#8	7-685-533-19	SCREW +BTP 2.6X6 TYPE2 N-S	
HE901	1-543-673-11	HEAD, MAGNETIC (ERASE) (DECK B)		#9	7-685-133-19	SCREW +P 2.6X6 TYPE2	
HP901	1-543-319-11	HEAD, MAGNETIC (PB) (DECK A)		#10	7-623-921-01	RING, RETAINING, CAPSTAN	
HRP901	1-543-319-11	HEAD, MAGNETIC (REC/PB) (DECK B)		#11	7-688-001-01	W 2, SMALL	
M901	X-3358-212-1	MOTOR (A) ASSY (DECK A)					
M902	X-3358-212-1	MOTOR (B) ASSY (DECK B)					
△S101	1-692-155-11	SELECTOR, POWER VOLTAGE (E)					
△T701	1-427-777-11	TRANSFORMER, POWER (US, CND)					
△T701	1-427-778-11	TRANSFORMER, POWER (AEP, AUS)					
△T701	1-427-779-11	TRANSFORMER, POWER (E)					

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